

WATER (41)

AGENCY PLAN: STATEMENT OF PURPOSE, GOALS AND BUDGET SUMMARY

STATEMENT OF PURPOSE:

The Water and Sewerage Department exceeds our customers' expectations through innovative treatment and transmission of water and wastewater that promote healthy communities and economic growth, and excels in the management of cost efficient water sources for the people of Southeastern Michigan

AGENCY GOALS:

The Water Division is administratively part of the Detroit Water and Sewerage Department while maintained as a separate fund in the City of Detroit Accounting system

AGENCY FINANCIAL SUMMARY:

2005-06 <u>Requested</u>		2004-05 <u>Budget</u>	2005-06 <u>Recommended</u>	Increase (Decrease)
\$ 159,976,436	Operation and Maintenance	\$ 154,800,000	\$ 159,976,436	\$ 5,176,436
109,842,800	Debt Service	105,448,000	109,842,800	4,394,800
33,452,800	Capital Appropriations	40,473,800	33,452,800	(7,021,000)
-	Bonded Capital	400,000,000	-	(400,000,000)
\$ 303,272,036	Total Appropriations	\$ 700,721,800	\$ 303,272,036	\$ (397,449,764)
\$ 303,272,036	Departmental Revenues	\$ 300,721,800	\$ 303,272,036	\$ 2,550,236
-	Sale of Bonds	400,000,000	-	(400,000,000)
\$ 303,272,036	Total Revenues	\$ 700,721,800	\$ 303,272,036	\$ (397,449,764)
\$ -	NET TAX COST:	\$ -	\$ -	\$ -

AGENCY EMPLOYEE STATISTICS:

2005-06 <u>Requested</u>		2004-05 <u>Budget</u>	04-01-05 <u>Actual</u>	2005-06 <u>Recommended</u>	Increase (Decrease)
1,917	City Positions	2,097	1,628	1,916	(181)
1,917	Total Positions	2,097	1,628	1,916	(181)

ACTIVITIES IN THIS AGENCY:

	2004-05 <u>Budget</u>	2005-06 <u>Recommended</u>	Increase (Decrease)
Administrative Services	\$ 46,419,008	\$ 48,719,458	\$ 2,300,450
Financial Services	6,798,381	6,534,966	(263,415)
Asset Maintenance	42,379,952	47,408,658	5,028,706
Plant Operations - Water	53,463,915	51,941,197	(1,522,718)
Engineering Services	5,738,744	5,372,157	(366,587)
Water - Capital and Debt Service	545,921,800	143,295,600	(402,626,200)
Total Appropriations	\$ 700,721,800	\$ 303,272,036	\$ (397,449,764)

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ADMINISTRATIVE SUPPORT ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ADMINISTRATIVE SUPPORT

The role of the Administrative Support Group is to support the mission and goals of the department. The Administrative Support Group is responsible for carrying out the policies of the Board and the business management of the department. This group consists of ten (10) major divisions: Administration, Public Affairs, Document Management, Security, Office of Program Management, Information Systems Management Division, Commercial Operations, Systems Control, Meter Operations and the Contracts and Grants Division.

The **Public Affairs Division** is primarily responsible for compiling and disseminating public information and materials relative to the department's activities through audiovisual, media relations, public relations, and marketing to better provide retail and wholesale customers, and all national and international stakeholders, accurate and up to date information regarding the Water and Sewerage Department. Public Affairs provides complete audiovisual services for DWSD and produces videotaped public service announcements for multimedia broadcast. Public Affairs assists with the dissemination of information and feedback from employees on DWSD plans, programs, and initiatives and promotes a more open and cooperative work environment for all DWSD employees.

The **Commercial Operations Division**, which reports to the Public Affairs Division, is responsible for directing, coordinating, processing, and monitoring DWSD retail and suburban wholesale customer billing and collection activities, collection related to delinquent accounts, processing landlord/tenant agreements, bankruptcy claims and other customer service tasks including meter reads, special payment arrangements, coordinating services with other City agencies, schedule customer billing dispute hearings, and other related activities.

The **Meter Operations Division** focuses on the meter maintenance function of the department, with an emphasis on meter repair, calibration or replacement for water and wastewater clients (wholesale suburban, residential retail and commercial/industrial). This division also provides much needed instrumentation and controls maintenance support related to the operation of the water production/distribution and wastewater collection systems.

The **Document Management Division** is responsible for disseminating information in a timely and efficient manner for Detroit Water and Sewerage internal customers. The division responsible for a comprehensive department wide program for Records Management, which includes, but is not limited to: development and management program, records appraisal, retention and disposition, records protection, records and information management technology. The Document Management Division is responsible for the Service Improvement Program.

The **Security Division** is responsible for providing a safe and secure working environment.

The **Office of Program Management (OPMA) Division** currently serves as administrative support for the Office of the DWSD Director and Deputy Director; distributes various regulatory compliance documents relative to EPA, MDEQ, and other electronic legislative information; prepares and coordinates various regulatory reports that include SARA Title III, Michigan Air Emission Reporting Systems (MAERS), Spill Prevention Control & Countermeasure and Pollution Incident Prevention Plans (SPCC/PIP), Process Safety Management Plans (PSMs), and Risk Management Plans (RMPs); coordinates, monitors, prepares, and distributes the monthly DWSD Status Report that updates all activities to be completed per the Second Amended Consent Judgment mandate; Invoice Processing; repository for Wastewater Operations monitoring, violation and compliance reports; Waste Manifest record keeping; maintains a resource library; maintains DWSD Water and Wastewater Service Contracts and Agreements; coordinates and participates in environmental activities with federal, state, and local organizations/universities to build general public awareness; prepares, coordinates, and submits NPDES permit applications to the MDEQ for the WWTP, and for the Lake Huron and Southwest water plants; acts as a liaison between DWSD divisions and regulatory agencies regarding environmental and regulatory issues; currently manages DWSD Contracts CS-1330, DWS-830A, DWS-851, and other contracts as needed or assigned by the DWSD Director and Deputy Director. Other activities include preparing and submitting the DWSD Wastewater System Operational Plan and PCB/Mercury Minimization Program annual updates to the MDEQ as required by the NPDES Permit, researching and

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investigating 201 sites and their impact on the DWSD PCB/Mercury Minimization Program, Emergency/Non-Emergency Environmental Response including waste cleanup, hazardous waste removal and disposal, PCB Equipment Management including transformers, management of the Underground and Aboveground Storage Tank (UST/AST) Programs, and Steering Committee Member of the DWSD's Health and Safety Contract CS-1322.

The **Contracts and Grants Division** is divided into four (4) units: Consultant Contracts, Construction Contracts, Grants/Loans/Audits and Local Economic Development. The Consultant and Construction Units prepare advertisements and contract documents, monitor progress on contract work, including payment and reports, and provide closeout services. The Grants/Loans/Audits Unit provides contract monitoring, closeout, and regular audit functions for construction, consultant services, and construction management projects. Also, the Local Economic Development Unit monitors targeted enterprise participation on contracts, which is mandated by Executive Orders and City Ordinances.

The **Information Systems Management Division** centralizes and expands current system/software application LAN/WAN network, related technical and system hardware support services within the department. The department has migrated to a client-server open systems environment using an Oracle database platform which supports some of the existing applications/systems, and a few of which are still functioning in the mainframe environment which interfaces with current City applications supported by ITS.

The **Systems Operations Control Division** is directly responsible for pumping treated water to 126 communities and providing wastewater collection services to 78 communities. It remotely operates 22 water booster stations and 12 sewage pumping stations from the Systems Control Center and maintains capability for monitoring and controlling the water distribution network and wastewater collection systems. This capability provides the flexibility to compensate for changing load levels on the system by adjusting water pressures and reservoir flows, as well as selected sewer regulator settings, interceptor flow levels and in-system storage facilities. The division generates valuable data on pressures and levels throughout the system on a 24/7 basis and keeps pumpage records and logs on all activities within the system, around the clock. After analysis of data, various daily, weekly, monthly and annual reports are generated and distributed. The division notifies communities and regulatory agencies about every CSO (combined sewer overflow) occurrence, coordinates all projects affecting the system and keeps DWSD wholesale customers informed of project impacts in advance. Systems Control Center is the nerve center for the Department's operations.

GOALS:

1. To implement the policies of the Board, Charter requirements and Federal mandates for supplying water and sewerage services.
2. To provide an adequate level of trained personnel to operate the water and sewerage systems.
3. To implement a comprehensive agency-wide reference source.
4. To ensure widespread internal knowledge of key messages and to develop a well informed employee base.
5. To educate and inform both retail and wholesale customers and the community about important DWSD projects, initiatives, and water and wastewater issues.
6. Provide adequate technical support services for department-wide information system applications, microcomputers/servers, network and database administrative functions and facilitate interfaces with city information system activities.
7. Commercial Operations will continue employee training and activities to continue implementation of all applications of the Customer Billing and Management System to ensure improved customer service, revenue billing and collection efforts.
8. The Meter Operations Division's goals are to increase commercial/industrial water meter reading accuracy, and to increase residential water meter reading accuracy to improve the billing and revenue collection stream, by calibrating and maintaining all the meters installed in the system.
9. To efficiently and effectively process contracts, grants and loans. Also, to encourage local businesses to participate in the Department's contracting process.

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MAJOR INITIATIVES FOR FY 2004-05 and FY 2005-06:

- To increase the participation of Detroit Headquartered, Detroit Based, Minority and Women Businesses through the Mayor's Executive Orders, while exceeding the expectations of the local business community.
- Supervisory Control And Data Acquisition Program (SCADA): This program provides suburban wholesale customers with lap-top computers so they can monitor how some aspects of the DWSD metering system is performing which is directly related to the metering services provided to their communities suburban wholesale customers can access such data as meter readings, flow characteristics, pressure readings and other problems in the system. This data assists suburban wholesale customers in verifying their billing data. This program will improve customer relations with suburban wholesale customers and reduce the number of billing disputes.
- The Security Division is upgrading the Water Pumping stations and Central Services Facility on DWS-844A. There will also be a database of maps to be used with contract designs that reflect the Main Office Building with the contract of CS-1331. On PC-713, the security alarms are being kept up-to-date. The identification workstations are also getting software updates.
- There is on-going training for the service guards and supervisors. The guards are being trained on report writing and the new guards are trained at the academy.
- Under DWSD Contract PC-713, a state-of-the-art Systems Control Center (SCC) is being built at the Central Services Facility and is expected to be completed by the summer of 2005.

PLANNING FOR THE FUTURE FOR FY 2005-06, FY 2006-07 and BEYOND:

- To complete the closeout process of grants in audit by the Federal Government's Environmental Protection Agency. Also, to reach out to local construction and professional services firms to inform them of opportunities with the Department.
- Residential and Commercial/Industrial AMR Equipped Water Meter Replacement Program. This program will change-out the remaining Residential and Commercial/Industrial Automatic Meter Reading Equipped (AMR) Water Meters in the system. The AMR Equipped Water Meters will enable the meter readers to obtain meter reads with a hand-held interrogator and/or vehicle-based system (Drive-By System), migratable to a fixed-based system. The projection would be approximately 190,000 Residential and Commercial/Industrial AMR Equipped Water Meters being replaced. This program will increase productivity in the Commercial Operations Division Meter Reading Section and increase revenue for the City of Detroit Water and Sewerage Department. Older water meters, in the system, inherently read lower than acceptable standards.

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ADMINISTRATIVE SERVICES MEASURES AND TARGETS

Type of Performance Measure: List of Measures	2002-03 Actual	2003-04 Actual	2004-05 Projection	2005-06 Target
Inputs: Resources Allocated or Service Demands Made				
City populations served	1 million	1 million	1 million	900,000
Suburban populations served	3.3 million	3.3 million	3.3 million	3.3 million
Number of grant applications/amendments	1	1	0	0
Value of grant applications/amendments	\$115,000	\$346,900	0	0
Number of State Revolving Loan Fund applications	0	0	2	2
Value of loan applications	\$0	\$0	\$31,000,000	\$30,000,000
Wholesale Meter Replacement	279	282	283	N/A
Commercial/Industrial Meter Replacement (System Total – 16,000)	524	98	3,279	4,650
Residential Meter Replacement (System Total 260,000)	13,324	2,589	78,152	82,152
Activity Costs	19,936,037	\$19,694,508	\$46,419,008	\$48,719,458

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Water Department
Financial Detail by Appropriation and Organization

Depreciation Expense - Water Administration	2004-05 Redbook		2005-06 Dept Final Request		2005-06 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00085 - Administration						
410110 - Depreciation Expense - Water	0	\$0	0	\$0	0	\$0
411010 - Office of the Director	11	\$1,421,531	9	\$617,406	9	\$5,066,284
411020 - Public Affairs Division	33	\$1,112,813	32	\$1,145,404	32	\$917,299
411030 - Document Management	0	\$187,246	0	\$149,489	0	\$140,729
411040 - General Staff Services	0	\$10,621,739	0	\$9,014,542	0	\$8,630,212
411050 - General Departmental Services	0	\$4,917,970	0	\$5,054,264	0	\$5,054,264
411060 - Human Resources	0	\$17,058	0	\$17,058	0	\$17,058
411070 - Safety	0	\$412,142	0	\$223,763	0	\$223,763
411080 - Security	130	\$3,765,695	130	\$3,871,472	130	\$3,130,843
411090 - Office of Program Management Assis	0	\$469,063	0	\$501,405	0	\$485,286
411100 - Print Shop	0	\$194,375	0	\$192,832	0	\$187,249
411110 - Information Systems Administrative S	50	\$4,312,712	47	\$5,836,253	47	\$5,411,347
411200 - Contracts and Grants	35	\$549,602	28	\$585,022	28	\$404,153
411210 - Customer Outreach	0	\$724,898	0	\$0	0	\$0
411220 - Commercial Operations	217	\$6,101,832	212	\$6,609,001	212	\$5,279,775
411225 - Customer Billing	0	\$50,985	0	\$339,536	0	\$339,536
411230 - Customer Service - Detroit	0	\$39,318	0	\$39,318	0	\$39,318
411235 - Collections	0	\$7,147	0	\$7,147	0	\$7,147
411240 - Addressograph	0	\$643,327	0	\$643,327	0	\$643,327
411245 - Meter Reading	0	\$21,871	0	\$21,871	0	\$21,871
411250 - Meter Operations	88	\$1,224,502	85	\$2,210,037	85	\$1,712,476
411255 - Meter Records	0	\$15,452	0	\$16,214	0	\$16,214
411260 - Meter Shop	0	\$76,439	0	\$80,700	0	\$80,700
411265 - Meter Instrumentation Shop	0	\$595,162	0	\$624,711	0	\$624,711
411280 - Systems Operations Control	38	\$2,211,599	32	\$3,334,630	35	\$2,876,855
411290 - Water Technical Services	7	\$650,924	7	\$703,850	7	\$603,056
411300 - Operations Services	17	(\$17,779)	14	\$888,406	10	\$814,186
411310 - Pumping Station - Ford Road	0	\$6,091,385	0	\$5,991,800	0	\$5,991,800
APPROPRIATION TOTAL	626	\$46,419,008	596	\$48,719,458	595	\$48,719,458
ACTIVITY TOTAL	626	\$46,419,008	596	\$48,719,458	595	\$48,719,458

CITY OF DETROIT
Budget Development for FY 2005-2006
Appropriations - Summary Objects

	2004-05 Redbook	2005-06 Dept Final Request	2005-06 Mayor's Budget Rec
AC0541 - Administration Services			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	11,060,321	11,991,443	10,791,942
EMPBENESL - Employee Benefi	7,030,370	8,594,881	5,608,760
PROFSVCSL - Professional/Cont	11,451,392	13,146,864	13,146,864
OPERSUPSL - Operating Supplie	1,428,674	2,303,694	2,303,694
OPERSVCSL - Operating Service	21,117,773	21,230,016	20,903,577
CAPEQUPSL - Capital Equipmen	3,000	0	0
CAPOUTLSL - Capital Outlays/M:	1,650	1,650	1,650
OTHEXPSSL - Other Expenses	(5,674,172)	(8,549,090)	(4,037,029)
<i>A41000 - Water Department</i>	46,419,008	48,719,458	48,719,458
AC0541 - Administration Services	46,419,008	48,719,458	48,719,458
Grand Total	46,419,008	48,719,458	48,719,458

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FINANCIAL SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: FINANCIAL SERVICES GROUP

The Financial Services Group consists of five (5) divisions, which provide general accounting, purchasing, materials management, financial planning and internal audit services for both (Water Supply and Sewage Treatment Operations) within the department. The divisions reporting to the Financial Services Group include the following:

The **Accounting Division** contains several sections which combined are responsible for directing, coordinating, posting, processing and monitoring activities related to cash receipts and disbursements, investments, bank activities, vendor payments, inventory activities and depreciation of property, plant and equipment, year-end closing and financial operation analysis to facilitate preparation of the trial balance and financial statements. In addition, this division coordinates activities related to the annual city audit, provides financial information as processed by the Oracle system, and performs other related tasks.

The **Financial Planning Division** is responsible for coordination, development, implementation and monitoring activities related to the DWSD operation and maintenance (O&M) budget, water supply and sewage treatment system service rates and charges, coordination of system revenue bond financing, and other related functions for the department.

The **Internal Audit Division** facilitates the department's internal efforts to perform operational audits of transactions, procedures, and processes in various areas within DWSD, analysis and/or other investigative tasks. In addition, this section works with the external auditors to facilitate completion of audit activities. This section reports findings, and makes recommendations when necessary to improve performance of operations, accountability, ensure appropriate accounting controls, and safeguard the department's assets.

Materials Management Division: The mission of the Materials Management Division is to make available a supply of goods and services necessary to support DWSD in its mission at all times, under all conditions, at an optimum value per dollar spent while maintaining public confidence. To accomplish this mission, Materials Management recommends policies and procedures, and executes approved policies and procedures, regarding operations and maintenance of fuel dispensing systems, inventory control, stocking of materials, resource recovery and auditing the preceding functions. The division also provides limited moving, transportation and warehousing services for materials and equipment.

The **Purchasing Division** ensures goods and services are purchased in the most efficient manner, are delivered by the date needed, at the maximum end-use value per dollar spent, and meet the quality specified and finally during the entire procurement process, the department has complied with all federal, state and local laws, statutes, ordinances, and executive orders that pertain to the Procurement Process.

GOALS:

1. To develop and implement fair, equitable water and sewage rates and charges to all system customers using uniform rate methodologies.
2. Improve the integrity and timeliness of posting accounting transactions via the use of the City's Detroit Resource Management System (DRMS), prepare financial statements and perform employee training, and improve customer service.
3. Maintain and/or strive to achieve revenue bond credit ratings upgrades for both systems through continual review and improvement of operational, financial and management policies internal and external to the department.
4. Improve budgetary development and monitoring activities via use of enhanced technology (the City's Budget Resource and Support System-BRASS), business processes and continued employee training in all respective areas, and in the long run reduce operational expenditures where possible emphasizing operational efficiency department-wide.

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5. Perform appropriate internal audit activities, provide recommendations where necessary to facilitate the improvement of operational performance, accountability, ensure appropriate accounting controls, and safeguard the department's assets.
6. Ensure that DWSD has a well-integrated inventory and warehouse system that results in lower inventory and operational costs while customer service levels are maintained or improved. Inventory management must ensure the stock is available while reducing inventory costs; and the warehouse management function must increase productivity and reduce costs by streamlining the physical process of warehousing and producing fewer mistakes.

MAJOR INITIATIVES FOR FY 2004-05 and FY 2005-06:

- Materials Management Division
- Will begin replacing its aging fleet of hi-lo's
- Will assist in plans to change DWSD's prior fuel system controls over to the new OPW System. This will allow electronic connectivity between fuel sites.
- To continue 80% high dollar value inventories with multiple 20% inventories occurring continuously throughout the year. This will further increase the inventory accuracy.
- Working with DWSD Purchasing to increase the number of stock Blanket Purchase Orders for more high turnover items.

PLANNING FOR THE FUTURE FOR FY 2005-06, FY 2006-07 and BEYOND:

Materials Management Division

- Create a joint team with Accounting to review EMPAC/Oracle transactions monthly to identify interface discrepancies and errors.
- Expand the MMD Warehouse Safety Program

Accounting

- Purchased INSITE license, a Web-based maintenance system, from Indus. The Division plans to upgrade EMPAC to INSITE.

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FINANCIAL SERVICES MEASURES AND TARGETS

Type of Performance Measure:	2002-03	2003-04	2004-05	2005-06
List of Measures	Actual	Actual	Projection	Target
Inputs: Resources Allocated or Service Demands Made				
Fuel Procurement/Usage (Gallons)	867,804	898,713	934,661	962,701
Efficiency: Program Costs related to Units of Activity				
Stock Inventory Levels (Benchmark – 95%)	94%	98%	99%	99%
Activity Costs	\$6,915,798	\$1,825,652	\$6,798,381	\$6,534,966

CITY OF DETROIT
Water Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Financial Sv Financial Services Group	2004-05 Redbook		2005-06 Dept Final Request		2005-06 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00086 - Financial Services Group						
412010 - Office of Assistant Director of Financi	2	\$1,233,197	2	\$1,012,278	2	\$2,044,939
412020 - Financial Administrative Services	9	\$734,740	8	\$341,036	8	\$266,345
412030 - Budget/Fiscal Reporting	0	\$9,356	0	\$1,828	0	\$1,827
412040 - Rates	0	\$1,964	0	\$220,936	0	\$220,936
412080 - General Accounting Administrative Se	64	\$1,590,117	61	\$1,657,401	61	\$1,279,712
412090 - Financial Reporting	0	\$4,050	0	\$4,103	0	\$4,103
412100 - Fixed Assets/Inventory/Payables	0	\$23,491	0	\$17,638	0	\$17,637
412110 - Cash Management	0	\$28,757	0	\$28,586	0	\$28,585
412220 - Purchasing	36	\$701,785	25	\$724,819	25	\$571,787
412230 - Material Management	90	\$2,406,668	70	\$2,459,859	70	\$2,032,615
412235 - Water Plant Stores	0	\$10,445	0	\$10,960	0	\$10,960
412240 - West Yard Warehouse	0	\$6,456	0	\$6,775	0	\$6,774
412245 - CSF - Warehouse	0	\$22,601	0	\$23,545	0	\$23,545
412250 - Operations Support	0	\$8,364	0	\$8,266	0	\$8,266
412255 - Inventory Audit	0	\$5,945	0	\$5,976	0	\$5,975
412260 - Automotive Stores	0	\$10,445	0	\$10,960	0	\$10,960
APPROPRIATION TOTAL	201	\$6,798,381	166	\$6,534,966	166	\$6,534,966
ACTIVITY TOTAL	201	\$6,798,381	166	\$6,534,966	166	\$6,534,966

CITY OF DETROIT
Budget Development for FY 2005-2006
Appropriations - Summary Objects

	2004-05 Redbook	2005-06 Dept Final Request	2005-06 Mayor's Budget Rec
AC1041 - Financial Services			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	2,980,878	2,820,994	2,538,895
EMPBENESL - Employee Benefi	1,945,336	2,056,233	1,283,045
PROFSVCSL - Professional/Cont	2,567,800	2,531,196	2,531,196
OPERSUPSL - Operating Supplie	236,218	266,047	266,047
OPERSVCSL - Operating Service	745,679	744,784	744,784
CAPEQUPSL - Capital Equipmen	3,000	0	0
CAPOUTLSL - Capital Outlays/Mi	514	514	514
OTHEXPSSL - Other Expenses	(1,681,044)	(1,884,802)	(829,515)
<i>A41000 - Water Department</i>	6,798,381	6,534,966	6,534,966
AC1041 - Financial Services	6,798,381	6,534,966	6,534,966
Grand Total	6,798,381	6,534,966	6,534,966

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ASSET MAINTENANCE GROUP ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ASSET MAINTENANCE GROUP

Asset Management provides maintenance services and facilities support assistance to its internal customers (i.e., the other five (5) administrative and operational groups) of the Water and Sewerage Department. Activities such as corrective and preventive maintenance for equipment and facilities is directed and coordinated through this group. Other functions include buildings, grounds and plant repair chores. This group is also responsible for vehicle fleet management operations and meter calibration and maintenance operations.

Plants, Buildings, Grounds and Mechanical Maintenance (MM) Division: The division provides centralized major maintenance and repair support services at five (5) water plants and 22 water booster stations, customer service centers, Central Services Facility and various other DWSD buildings for the purposes of housekeeping and the grounds maintenance work, as well as electrical, mechanical and the other tasks where skilled trades work is needed. It also provides a support base for the equipment repair, calibration or replacements particularly for HVAC and other building equipment, as well as pumps, motors, valves and electrical power distribution equipment. This division also provides the vehicle fleet management for the department's fleet of vehicles and mobile construction equipment. This division assists Maintenance and Repair Division in repair of water mains and water distribution system valves.

The **Maintenance and Repair Division** repairs and maintains the water distribution and wastewater collection systems. The Division comprised of four (4) districts maintains all allied appurtenances, such as fire hydrants, water and sewer manholes, valves, water/sewer service lines and storm water basins and lead lines. The Telecommunications, Claims, Dispatch and Field Inspection Forces provide support services in providing service to the Department's nearly 4 million customers.

GOALS:

The Plants, Buildings, Grounds and Mechanical Maintenance Division's goals are:

1. Improve pumping equipment availability and reliability for the maximum utilization of the water plants and water booster stations.
2. Improve buildings and grounds maintenance of unmanned water booster stations.
3. Improve employees' safety at work locations and the general efficiency and effectiveness of their support function.
4. Continue to implement PM (preventive maintenance) measures on critical pumping and other equipment at water plants and water booster stations.
5. Continue to implement a management succession – planning program.

The Maintenance and Repair Division's goals are:

1. To increase customer satisfaction by reducing the number of water and sewer complaints.
2. Establish Divisional Training to reduce lost time accidents, and provide succession training to meet Divisional needs.
3. Establish Preventive maintenance programs in the water and sewer areas to improve efficiency.

MAJOR INITIATIVES FOR FY 2004-05 and FY 2005-06:

- Worked closely with DWSD Engineering in the implementation of water/wastewater infrastructure improvements.
- Assisted in the replacement of 45,000 lineal feet of water mains in downtown Detroit. Work included multiple water main and valve isolations.
- Repaired several large diameter water mains, 30", 36" and 42" mains.
- Repaired several large diameter sewer mains. 48" and 60".
- Multiple valve system operation- Hoover and 14 Mile and Haggerty the most notable.
- Several air valve repairs on large diameter mains.
- Created a specialized sewer cleaning unit.

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- Document operating procedures of various shop operations and standardize various work methods for better work efficiency.
- Improve appearance of interiors and exteriors of customer service centers, Water Board Building and Central Services Facility.
- Improvement of incoming electrical service vault at the Water Board Building.

PLANNING FOR THE FUTURE FOR FY 2005-06, FY 2006-07 and BEYOND:

- Implementation of new work order tracking system (EMPAC) and customer service system to improve customer service and response.
- Establish dedicated and standardized work procedures and policies.
- Encourage the department to pursue adjacent land acquisition for future expansion of Central Services Facility.
- Waterproofing and repair of the Water Board Building.
- Integrate equipment and facilities documents of the water plants and water booster stations and CSO collection system with EMPAC system.

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ASSET MAINTENANCE OPERATIONS MEASURES AND TARGETS

Type of Performance Measure:	2002-03	2003-04	2004-05	2005-06
List of Measures	Actual	Actual	Projection	Target
Outputs: Units of Activity directed toward Goals -				
Major Pumping Units Availability – Water (Benchmark – 85%)	81.9%	89%	92%	95%
Sites Maintained	58	58	59	59
Acreage Maintained	1,045	1,045	1,047	1,047
Vehicle Maintenance Performed (Repairs)	7,345	5,423	5,300	5,750
Preventive Maintenance measures implemented on system critical pumping equipment	0%	35%	80%	100%
Main leaks and breaks repaired	2,272	1,261	1,150	1,150
Service leaks repaired	1,070	926	850	800
Services replaced	93	33	50	100
New services installed	41	0	25	25
Old services discontinued	809	1,284	1,600	1,200
Job completed by plumber	462	490	500	480
Emergency investigations made	33,156	31,177	33,000	30,000
Gate valves repaired or replaced	870	428	300	200
Gate wells repaired	64	38	40	25
Fire hydrants repaired or replaced	1,387	1,463	1,500	1,200
New hydrants installed	0	0	5	5
Total hydrants in system	30,430	30,430	30,430	30,430
Activity Costs	\$14,646,718	\$1,240,986	\$42,379,952	\$47,408,658

CITY OF DETROIT
Water Department
Financial Detail by Appropriation and Organization

Office of Assistant Director Asset Maintena Asset Maintenance Group	2004-05 Redbook		2005-06 Dept Final Request		2005-06 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00087 - Asset Maintenance Group						
414010 - Office of Assistant Director Asset Mai	6	\$2,630,503	7	\$165,083	7	\$6,030,980
414130 - Mechanical Operations Administratio	294	\$8,385,531	280	\$11,952,291	280	\$9,803,342
414140 - Ground Maintenance	0	\$27,064	0	\$31,563	0	\$31,563
414150 - Field Operations	0	\$4,278,684	0	\$4,519,875	0	\$4,519,875
414160 - Mechanical Maintenance	0	\$1,448,977	0	\$1,619,888	0	\$1,619,887
414200 - Water Board Building	48	\$1,353,940	46	\$1,714,544	46	\$1,452,952
414240 - Maintenance and Repair 2004	515	\$23,017,873	454	\$25,441,923	454	\$22,001,925
414250 - East Yard	0	\$3,038	0	\$0	0	\$0
414260 - West Yard	0	\$159,782	0	\$170,435	0	\$170,435
414270 - North Yard	0	\$334	0	\$0	0	\$0
414310 - Maintenance & Repair Administrator	0	\$0	0	\$7,624	0	\$7,624
414340 - Claims	0	\$7,624	0	\$0	0	\$0
414350 - Fire Hydrant Maintenance	0	\$123,890	0	\$0	0	\$0
414360 - Central Service Facility	1	\$942,712	1	\$1,785,432	1	\$1,770,077
APPROPRIATION TOTAL	864	\$42,379,952	788	\$47,408,658	788	\$47,408,658
ACTIVITY TOTAL	864	\$42,379,952	788	\$47,408,658	788	\$47,408,658

CITY OF DETROIT
Budget Development for FY 2005-2006
Appropriations - Summary Objects

	2004-05 Redbook	2005-06 Dept Final Request	2005-06 Mayor's Budget Rec
AC1541 - Asset Management			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	17,480,475	19,521,778	17,569,598
EMPBENESL - Employee Benefi	11,618,673	15,542,212	11,562,751
PROFSVCSL - Professional/Cont	9,600,687	10,408,932	10,408,932
OPERSUPSL - Operating Supplie	3,403,263	3,341,779	3,341,779
OPERSVCSL - Operating Service	2,363,467	2,014,313	2,014,313
CAPEQUPSL - Capital Equipmen	1,200	11,000	11,000
CAPOUTLSL - Capital Outlays/M:	184,179	45,000	45,000
OTHEXPSSL - Other Expenses	(2,271,992)	(3,476,356)	2,455,285
<i>A41000 - Water Department</i>	<i>42,379,952</i>	<i>47,408,658</i>	<i>47,408,658</i>
AC1541 - Asset Management	42,379,952	47,408,658	47,408,658
Grand Total	42,379,952	47,408,658	47,408,658

WATER (41)

PLANT OPERATIONS - WATER ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: PLANT OPERATIONS - WATER

The **Water Production Division** operates five water treatment plants and three raw water intakes. The plants are responsible for producing drinking water that meets all state, federal and department standards for quality and safety. The plants are also responsible for producing enough water to meet the demand required during peak season.

The **Water Quality Division** is responsible for the testing and reporting of water quality throughout the distribution system to comply with federal and state Safe Drinking Water Act regulations and to provide data for department use. The Division is responsible for investigating customer complaints, disinfecting and testing new or repaired water mains, and investigating facilities for acceptable water quality. The division is also involved in drinking water research projects and source water protection programs.

GOALS:

1. Ensure an adequate supply of safe, potable water to all parts of the system.
2. Repair all plant and pumping equipment quickly and efficiently.
3. Increase water system reliability through increased input into the planning process.

MAJOR INITIATIVES FOR FY 2004-05 and FY 2005-06:

The plants are actively engaged in evaluating power demands and costs for operations. They are working with DTE Energy to understand how costs are determined and when peak demands are measured so operational procedures can be developed to reduce peak demand charges as much as possible.

PLANNING FOR THE FUTURE FOR FY 2005-06, FY 2006-07 and BEYOND:

The Division is faced with a shortage of Water Plant operators at all levels in the next few years due to retirements and difficulty filling entry-level positions. We will be working with Human Resources on a state and industry wide recruiting effort, as well as ways of generating more interest in this field of work through high schools or trade schools.

We will also begin evaluating skill sets required for various jobs in the division. Plant operations have become highly technical and computer controlled. We will need to change our job specifications and or create new titles that meet operational needs. Once skill sets are identified, training programs will need to be put in place to ensure all employees are able to learn and maintain skills to perform their jobs and train subordinates for their succession.

WATER (41)

PLANT OPERATIONS - WATER MEASURES AND TARGETS

Type of Performance Measure:	2002-03	2003-04	2004-05	2005-06
List of Measures	Actual	Actual	Projection	Target
Inputs: Resources Allocated or Service Demands Made				
Tons of chlorine used	1,754	1,656	1,700	1,700
Tons of fluoride used	1,012	874	1,000	1,000
Tons of alum used	1,288	1,243	1,300	1,300
Outputs: Units of Activity directed toward Goals				
Water pumped to mains (billions of gallons)	238	222	200	230
Outcomes: Results or Impacts of Program Activities				
Annual average raw water turbidity	6	7	7	7
Activity Costs	\$106,050,576	\$51,247,394	\$53,463,915	\$51,941,197

CITY OF DETROIT
Water Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Water Oper: Water Operations Group	2004-05 Redbook		2005-06 Dept Final Request		2005-06 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00088 - Water Operations Group						
415010 - Office of Assistant Director of Water C	8	\$2,954,601	6	\$685,926	6	\$3,265,327
415020 - Water Works Park	55	\$11,518,293	49	\$11,792,679	49	\$11,176,507
415030 - Springwells Plant	53	\$10,710,960	48	\$11,001,955	48	\$10,403,348
415040 - Northeast Plant	30	\$8,860,095	30	\$8,665,421	30	\$8,256,175
415050 - Southwest Plant	33	\$6,627,929	32	\$6,643,979	32	\$6,258,980
415060 - Lake Huron Plant	27	\$10,590,172	27	\$10,935,867	27	\$10,554,161
415390 - Water Quality	20	\$2,201,865	15	\$2,215,370	15	\$2,026,698
APPROPRIATION TOTAL	226	\$53,463,915	207	\$51,941,197	207	\$51,941,197
ACTIVITY TOTAL	226	\$53,463,915	207	\$51,941,197	207	\$51,941,197

CITY OF DETROIT
Budget Development for FY 2005-2006
Appropriations - Summary Objects

	2004-05 Redbook	2005-06 Dept Final Request	2005-06 Mayor's Budget Rec
AC2041 - Plant Operations - Water			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	11,523,369	11,720,154	10,548,139
EMPBENESL - Employee Benefi	8,065,200	8,514,080	7,030,587
PROFSVCSL - Professional/Con	2,472,000	2,737,168	2,737,168
OPERSUPSL - Operating Suppli	6,563,470	6,663,370	6,663,370
OPERSVCSL - Operating Servic	22,555,138	22,221,598	22,221,598
OTHEXPSSL - Other Expenses	2,284,738	84,827	2,740,335
<i>A41000 - Water Department</i>	<i>53,463,915</i>	<i>51,941,197</i>	<i>51,941,197</i>
AC2041 - Plant Operations - Water	53,463,915	51,941,197	51,941,197
Grand Total	53,463,915	51,941,197	51,941,197

WATER (41)

ENGINEERING SERVICES ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: ENGINEERING SERVICES-WATER

Engineering Services provides engineering services to the remaining four- (4) operational groups within the department. The Engineering Services consist of seven (7) broad functional groups: Engineering/Administrative Support, Wastewater Construction, Wastewater Design, Facilities Design, Water & Sewer Systems, Field Engineering and Combined Sewer Overflow Groups. A description of each group follows:

The **Engineering Administration** is headed by the Assistant Director of Engineering Services who acts as advisory for the Division's engineering and contract administration functions. The general and assistant superintendents of Engineering guide execution of the day-to-day engineering/contract activities. The Engineering and Administrative Support section provides general support to the Division's other six (6) groups. Support activities include fiscal projection and management, human resources management, material resources management, organizational development and training, statistical operations reporting, project accounting and reporting, and property management.

The **Wastewater Construction Group** inspects construction and alteration of the Wastewater Treatment Plant buildings and equipment for contract conformance. This group reviews drawings and procedures design documents in coordination with the Wastewater Design Group.

The **Wastewater Design Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff for projects related to the wastewater system.

The **Facilities Design Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications, by in-house or consultant forces, and acts as a resource for construction or field engineering staff efforts for projects related to Department locations and facilities (excluding the Wastewater Treatment Plant).

The **Water & Sewer Systems Group** directs and coordinates the preparation of design reports, cost estimates, plans and specifications for all transmission/distribution mains for water and sewer projects. This group is also responsible for the maintenance of all maps and records associated with the water and sewer system. This group consists of four (4) sections: Urban Design, Planning, Suburban Engineering and Records, and Major Design.

The **Field Engineering Group** plans, directs, and coordinates field engineering personnel in ongoing construction inspection for compliance of water mains, sewers, building construction, and equipment installation contracts; oversees all Water Treatment Plant renovations to check conformance to accepted standards; insures the structural integrity of water systems during new and alteration construction work; initiates change orders; and provides locations stake-out under the Miss Dig system.

The **CSO Group** directs and coordinates the preparation of design reports, cost estimates, and plans and specifications by consultant forces and acts as a resource to the construction or field engineering staff for projects related to CSO.

GOALS:

1. To perform the related functions of these divisions by reasonably and conservatively coordinating and managing resources via each operational group.
2. To insure that all engineering designs are in compliance with all federal, state and local agency requirements.
3. To insure that all water, sewage disposal and wastewater facilities are constructed in conformity with the plans and specifications, and those specifications are functional.

WATER (41)

MAJOR INITIATIVES FOR FY 2004-05 and FY 2005-06:

- Security Systems Upgrade for Various Booster Stations
- Construction of Waste Washwater and Sludge Treatment Facility at Southwest WTP
- Wick Road Station Rehabilitation
- Schoolcraft Pumping Station Rehabilitation
- Water Meter Replacement and Automatic Meter Reader Equipment Installation

PLANNING FOR THE FUTURE FOR FY 2005-06, FY 2006-07 and BEYOND:

- Filtration Improvements at Southwest Water Treatment Plant
- Pretreatment Improvements at Springwells WTP
- Filter Media Replacement at Northeast WTP

CITY OF DETROIT
Water Department
Financial Detail by Appropriation and Organization

Office of Assistant Director of Engineering Engineering Services - Water	2004-05 Redbook		2005-06 Dept Final Request		2005-06 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
05817 - Engineering Services - Water						
413010 - Office of Assistant Director of Engineering	3	\$734,775	3	\$165,709	3	\$1,488,809
413020 - Engineering Administrative Support	177	\$4,922,321	157	\$5,102,925	157	\$3,779,825
413030 - Field Engineering Group	0	\$39,816	0	\$50,316	0	\$50,316
413040 - Water System	0	\$20,916	0	\$35,791	0	\$35,791
413050 - Facilities Design	0	\$20,916	0	\$17,416	0	\$17,416
APPROPRIATION TOTAL	180	\$5,738,744	160	\$5,372,157	160	\$5,372,157
ACTIVITY TOTAL	180	\$5,738,744	160	\$5,372,157	160	\$5,372,157

CITY OF DETROIT
Budget Development for FY 2005-2006
Appropriations - Summary Objects

	2004-05 Redbook	2005-06 Dept Final Request	2005-06 Mayor's Budget Rec
AC2541 - Engineering Services - Water			
<i>A41000 - Water Department</i>			
SALWAGESL - Salary & Wages	3,046,640	2,952,290	2,657,061
EMPBENESL - Employee Benefi	1,881,356	2,134,949	1,077,141
PROFSVCSL - Professional/Cont	20,000	52,500	52,500
OPERSUPSL - Operating Supplie	153,233	179,233	179,233
OPERSVCSL - Operating Service	393,318	432,318	432,318
OTHEXPSSL - Other Expenses	244,197	(379,133)	973,904
<i>A41000 - Water Department</i>	<i>5,738,744</i>	<i>5,372,157</i>	<i>5,372,157</i>
AC2541 - Engineering Services - Water	5,738,744	5,372,157	5,372,157
Grand Total	5,738,744	5,372,157	5,372,157

WATER (41)

WATER CAPITAL ACTIVITY INFORMATION

ACTIVITY DESCRIPTION: WATER CAPITAL

The Water Capital Program for the Water Supply System is a five-year plan devoted to rehabilitating and improving existing water treatment plants, pumping stations, system instrumentation, and master meter pits; replacing deteriorated water distribution mains in the city of Detroit; installing new mains or re-routing existing mains to accommodate new development in the Empowerment Zone and throughout the city of Detroit; automating the meter reading function; upgrading the instrumentation and process control equipment of the water transmission system; and constructing additional transmission mains and pumping facilities in order to continue looped transmission system; provide a backup water supply for the City of Flint and bring in more water to the service area from the Lake Huron Plant.

GOALS:

1. Provide essential, efficient and user-friendly services by:
 - Renovating, improving or replacing water plants and pumping stations to ensure a safe and adequate potable water supply.
 - Continuing the water main replacement program aimed at reducing the number of main breaks and leaks in the city of Detroit, thereby improving service, increasing public safety, and lowering costs to Detroit customers.
 - Automating the meter reading function and rehabilitating the suburban wholesale meters and meter pits to more accurately measure and bill for water service provided.
 - Continuing to computerize various departmental functions to reduce costs and improve operations.
2. Obtain business growth and expansion by:
 - Constructing these additional mains, booster stations and reservoirs required to ensure an adequate water supply to all existing and new customers.

WATER (41)

WATER CAPITAL MEASURES AND TARGETS

Type of Performance Measure: List of Measures	2002-03 Actual	2003-04 Actual	2004-05 Projection	2005-06 Target
Outputs: Units of Activity directed toward Goals				
Number of ongoing water capital projects – water plants, booster stations, reservoirs	62	57	81	63
Number of ongoing water capital projects- -improve urban systems	22	25	46	21
Number of ongoing water capital projects - Mechanical maintenance	3	2	2	3
Number of ongoing water capital projects - Computer systems:	12	16	26	22
Number of ongoing water capital projects - Metro area construction:	12	13	13	5
Total number of ongoing projects - all	111	113	168	114
Outcomes: Results or Impacts of Program Activities				
Value of ongoing water capital projects – water plants, booster stations, reservoirs	67,421,000	74,988,000	83,060,000	119,693,000
Value of ongoing water projects -improve urban systems	13,907,000	8,380,000	49,275,000	37,925,000
Value of ongoing water projects - Mechanical maintenance:	3,737,000	659,000	3,505,000	6,270,000
Value of ongoing water projects - Computer systems:	60,112,000	53,138,000	54,877,000	24,020,000
Value of ongoing water projects - Metro area construction:	36,341,000	18,173,000	7,778,000	11,915,000
Activity Costs	\$87,429,428	\$202,295,722	\$545,921,800	\$143,295,600

CITY OF DETROIT
Water Department
Financial Detail by Appropriation and Organization

Bond Principle & Interest Redemption Fund Debt Service and Maintenance	2004-05 Redbook		2005-06 Dept Final Request		2005-06 Mayor's Budget Rec	
	FTE	AMOUNT	FTE	AMOUNT	FTE	AMOUNT
<i>APPROPRIATION ORGANIZATION</i>						
00163 - Debt Service and Maintenance						
417010 - Bond Principle & Interest Redemption	0	\$105,448,000	0	\$109,842,800	0	\$109,842,800
APPROPRIATION TOTAL	0	\$105,448,000	0	\$109,842,800	0	\$109,842,800
00164 - Water System Improvements						
417030 - Improvement and Extension Water Sy	0	\$39,239,300	0	\$30,867,700	0	\$30,867,700
APPROPRIATION TOTAL	0	\$39,239,300	0	\$30,867,700	0	\$30,867,700
00583 - Water Extraordinary Repair and Replacem						
417060 - Water Extraordinary Repair and Repla	0	\$734,500	0	\$749,300	0	\$749,300
APPROPRIATION TOTAL	0	\$734,500	0	\$749,300	0	\$749,300
05733 - Reserve Deposit						
417020 - Debt Service Reserve	0	\$500,000	0	\$1,835,800	0	\$1,835,800
APPROPRIATION TOTAL	0	\$500,000	0	\$1,835,800	0	\$1,835,800
11487 - Water Bond Fund Series 2005						
417160 - Water Bond Fund Series 2005	0	\$400,000,000	0	\$0	0	\$0
APPROPRIATION TOTAL	0	\$400,000,000	0	\$0	0	\$0
ACTIVITY TOTAL	0	\$545,921,800	0	\$143,295,600	0	\$143,295,600

CITY OF DETROIT
Budget Development for FY 2005-2006
Appropriations - Summary Objects

	2004-05 Redbook	2005-06 Dept Final Request	2005-06 Mayor's Budget Rec
AC3041 - Water - Capital and Debt Service			
<i>A41000 - Water Department</i>			
CAPEQUPSL - Capital Equipmei	7,500,000	7,500,000	7,500,000
OTHEXPSSL - Other Expenses	432,973,800	25,952,800	25,952,800
FIXEDCHGSL - Fixed Charges	105,448,000	109,842,800	109,842,800
<i>A41000 - Water Department</i>	<i>545,921,800</i>	<i>143,295,600</i>	<i>143,295,600</i>
AC3041 - Water - Capital and Debt Service	545,921,800	143,295,600	143,295,600
Grand Total	545,921,800	143,295,600	143,295,600

CITY OF DETROIT
Budget Development for FY 2005-2006
Appropriation Summary - Revenues

	2003-04 Actuals	2004-05 Redbook	2005-06 Dept Final Request	2005-06 Mayor's Budget Rec	Variance
A41000 - Water Department					
00085 - Administration					
472150 - Other Miscellaneous	98,473	0	0	0	0
00085 - Administration	98,473	0	0	0	0
00086 - Financial Services Group					
472150 - Other Miscellaneous	743	0	0	0	0
00086 - Financial Services Group	743	0	0	0	0
00087 - Asset Maintenance Group					
472150 - Other Miscellaneous	18,383	0	0	0	0
00087 - Asset Maintenance Group	18,383	0	0	0	0
00088 - Water Operations Group					
472150 - Other Miscellaneous	13,117	0	0	0	0
00088 - Water Operations Group	13,117	0	0	0	0
00758 - Water Bond Reserve					
461100 - Earnings On Investment	1,412,739	0	0	0	0
00758 - Water Bond Reserve	1,412,739	0	0	0	0
04826 - Revenue - Water Receiving					
440160 - Maint & Construction-Hy	0	0	2,900,600	0	0
441100 - Other Labors and Mater	699,703	600,000	600,000	600,000	0
441110 - Other Lbr & Matl Meter	41,954	0	0	0	0
447210 - Water Sales - Retail	69,565,959	88,191,621	81,798,457	81,798,457	(6,393,164)
447215 - Water Sales - Wholesal	181,000,000	198,674,163	205,785,526	205,785,526	7,111,363
447300 - Other Utility Revenue	1,315,182	0	0	0	0
447305 - Sales-Salv, Confis, Supl	14,574	0	0	0	0
448115 - Other Fees	591,861	1,167,400	999,400	999,400	(168,000)
448170 - Other Fee-Shut Off-Turr	31,438	0	0	0	0
448190 - Illegal Turn on Penalty	121,982	0	0	0	0
448195 - Service Disconnection F	48,840	0	0	0	0
461100 - Earnings On Investment	64,721	1,282,700	650,800	650,800	(631,900)
462241 - Rent of Building and Sp	94,138	0	0	0	0
464100 - Sales Of City Real Prop	60,950	0	0	0	0
471905 - Contributed Revenue	4,038,816	0	0	0	0
472100 - Other Forfeits And Penz	27,068	0	0	0	0
472117 - Late Payment Fee	1,470,628	0	0	0	0
472150 - Other Miscellaneous	45,044	0	0	2,900,600	2,900,600
472220 - Ng Check Service Charç	90,055	0	0	0	0
472255 - Sale Of Equipment	532,780	0	0	0	0
472260 - Sale Of Equipment - Me	2,660	0	0	0	0
474100 - Miscellaneous Receipts	0	1,417,916	370,553	370,553	(1,047,363)

CITY OF DETROIT
Budget Development for FY 2005-2006
Appropriation Summary - Revenues

	2003-04 Actuals	2004-05 Redbook	2005-06 Dept Final Request	2005-06 Mayor's Budget Rec	Variance
A41000 - Water Department					
04826 - Revenue - Water Receiving					
474130 - Misc Recpts-Cash Over	(108)	0	0	0	0
04826 - Revenue - Water Receiving	259,858,245	291,333,800	293,105,336	293,105,336	1,771,536
04827 - Revenue - Water Operation -Maintenance					
461100 - Earnings On Investment	30,639	0	0	0	0
472150 - Other Miscellaneous	78,921	0	0	0	0
04827 - Revenue - Water Operation -M	109,560	0	0	0	0
00163 - Debt Service and Maintenance					
461100 - Earnings On Investment	517,539	1,896,000	2,311,800	2,311,800	415,800
461101 - Unrealized Gain	39,434	0	0	0	0
00163 - Debt Service and Maintenance	556,973	1,896,000	2,311,800	2,311,800	415,800
00164 - Water System Improvements					
461100 - Earnings On Investment	19,331	250,000	250,000	250,000	0
00164 - Water System Improvements	19,331	250,000	250,000	250,000	0
00583 - Water Extraordinary Repair and Replacer					
461100 - Earnings On Investment	285,208	698,000	960,700	960,700	262,700
461101 - Unrealized Gain	(96,250)	0	0	0	0
00583 - Water Extraordinary Repair and Replacer	188,958	698,000	960,700	960,700	262,700
10257 - Water Construction Bond Fund Series 19					
461100 - Earnings On Investment	4,250	0	0	0	0
10257 - Water Construction Bond Fund Series 19	4,250	0	0	0	0
10647 - Water Bond Fund - Series 2001					
461100 - Earnings On Investment	3,431	0	0	0	0
472150 - Other Miscellaneous	789,802	0	0	0	0
10647 - Water Bond Fund - Series 2001	793,233	0	0	0	0
11119 - Water Bond Fund Series 2003					
461100 - Earnings On Investment	2,874,745	0	0	0	0
461101 - Unrealized Gain	(932,166)	0	0	0	0
11119 - Water Bond Fund Series 2003	1,942,579	0	0	0	0
11487 - Water Bond Fund Series 2005					
461100 - Earnings On Investment	0	6,544,000	6,644,200	6,644,200	100,200
522100 - Sale Of Bonds	0	400,000,000	0	0	(400,000,000)
11487 - Water Bond Fund Series 2005	0	406,544,000	6,644,200	6,644,200	(399,899,800)
A41000 - Water Department	265,016,584	700,721,800	303,272,036	303,272,036	(397,449,764)
Grand Total	265,016,584	700,721,800	303,272,036	303,272,036	(397,449,764)

CITY OF DETROIT
MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00085 - Administration			
411010 - Office of the Director			
Director - DWSD	1	1	1
Deputy Director - DWSD	1	1	1
Asst Director-DWSD Admin Sup	1	0	0
Proc & Qual Control Mgr-DWSD	1	1	1
Admin Asst GD II - DWSD	2	2	2
Executive Secretary III	1	1	1
Executive Secretary II	2	2	2
Community Services Assistant	1	1	1
Office Assistant III	1	0	0
Total Office of the Director	11	9	9
411020 - Public Affairs Division			
General Manager - DWSD	1	1	1
Admin Asst GD IV	1	1	1
Administrative Specialist I	2	2	2
Principal Governmental Analyst	2	2	2
Web Editor	3	3	3
Publicist II	1	1	1
Sr Promotional Activities Asst	5	5	5
Promotional Activities Assist	1	1	1
Principal Graphic Designer	1	1	1
Graphic Designer	2	2	2
Audio Visual Srves Sprv	1	1	1
Audio Visual Technician IV	2	2	2
Audio Visual Technician III	2	2	2
Audio Visual Technician II	2	2	2
Photographer - General	1	1	1
Principal Clerk	3	2	2
Senior Clerk	1	1	1
Office Assistant III	1	1	1
Office Assistant II	1	1	1
Total Public Affairs Division	33	32	32

CITY OF DETROIT
MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00085 - Administration			
411080 - Security			
Chief DWSD Security Administr	1	1	1
Asst Chief-DWSD Security-Admin	1	1	1
Sprv Srve Guard - GD II	4	4	4
Sprv Srve Guard - GD I	5	5	5
Security Specialist	12	12	12
Sr Governmental Analyst	1	1	1
Senior Clerk	1	1	1
Senior Stenographer	1	1	1
Office Assistant II	1	1	1
Clerk	1	1	1
Senior Service Guard - Water	12	12	12
Service Guard - Public Utility	90	90	90
Total Security	130	130	130
411110 - Information Systems Administrative			
General Manager - DWSD	1	1	1
Manager I - DWSD	1	1	1
Dept Info Tech Network Splst	5	5	4
Prin Data Proc Prog Analyst	4	4	4
Sr Data Proc Prog Analyst	13	11	11
Inter Data Proc Prog Analyst	7	7	7
Sr Data Proc Telecomm Tech	4	4	4
Office Management Assistant	1	1	1
Sr Governmental Analyst	1	1	1
Office Automation Support Asst	1	0	0
Microcomputer Support Splst	5	7	7
Eng Support Specialist II	2	2	2
Sr Radio Maint Technician	1	0	0
Principal Clerk	1	1	1
Office Assistant III	1	1	1
Info Tech Client Supp Asst	1	0	1

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MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00085 - Administration			
411110 - Information Systems Administrative			
System Programming Coordinator	1	1	1
Total Information Systems Administrative Ser	50	47	47
411200 - Contracts and Grants			
General Manager - DWSD	1	1	1
Manager I - DWSD	2	2	2
Principal Governmental Analyst	5	4	4
Sr Governmental Analyst	16	15	15
Principal Clerk	1	1	1
Senior Clerk	4	1	1
Office Assistant III	4	4	4
Clerk	1	0	0
Office Assistant II	1	0	0
Total Contracts and Grants	35	28	28
411220 - Commercial Operations			
Manager II - DWSD	1	1	1
Manager I - DWSD	1	1	1
Commercial Oper Specialist III	5	5	5
Commercial Oper Specialist II	23	21	21
Commercial Oper Specialist I	6	9	9
Microcomputer Support Splst	2	0	0
Supervisor of Mail Operations	1	1	1
Office Management Assistant	1	1	1
Office Automation Support Asst	2	2	2
Customer Service Rep I	36	36	36
Customer Service Rep II	34	34	34
Customer Service Rep III	15	15	15
Permit Investigator - DWSD	4	4	4
Field Services Rep	18	18	18
Customer Services Supervisor	2	2	2
Sr. Water Meter Reader	38	38	38
Field Operations Sprvr	7	7	7

CITY OF DETROIT
MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00085 - Administration			
411220 - Commercial Operations			
Admin Sprv - Field Operations	1	1	1
Mail Processor	3	3	3
Office Assistant III	17	13	13
Total Commercial Operations	217	212	212
411250 - Meter Operations			
Manager II - DWSD	1	1	1
Manager I - DWSD	1	1	1
Administrative Specialist I	1	1	1
Office Management Assistant	1	1	1
Principal Governmental Analyst	1	1	1
Sr Governmental Analyst	1	1	1
Control Instru Tech -Foreman	1	1	1
Cont Instr Tech Sub-Foreman-Wa	2	2	2
Water Sys Cntrl Instr Tech	7	7	7
Sr Water Meter Foreman	1	1	1
Water Meter Foreman	4	4	4
Sr Water Meter Mechanic	3	3	3
Water Meter Mechanic	7	7	7
Water Meter Worker	21	18	18
Mechanical Helper	23	23	23
Senior Clerk	4	4	4
Office Assistant III	3	3	3
Clerk	2	2	2
Office Assistant II	3	3	3
Storekeeper	1	1	1
Total Meter Operations	88	85	85
411280 - Systems Operations Control			
Chief Water Systems Sprv	1	1	1
Head Eng - Water Sys-Operation	1	1	1
Engineer of Water Systems	1	1	1
Sr Assoc Civil Eng - Design	2	2	2

CITY OF DETROIT
MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00085 - Administration			
411280 - Systems Operations Control			
Water Sys Cntrl Instr Tech	6	3	3
Cont Instr Tech Sub-Foreman-Wa	1	1	1
Proc Control Center Supervisor	5	5	5
Proc Control Center Operator	7	5	5
Sr Water Plant Operator	11	11	14
Microcomputer Support Splst	1	1	1
Sr Data Proc Prog Analyst	1	1	1
Senior Clerk	1	0	0
Total Systems Operations Control	38	32	35
411290 - Water Technical Services			
Engineer of Wastewater Systems	2	2	2
Sr Assoc Civil Eng - Design	1	1	1
Sr Assoc Elect Eng - Design	1	1	1
Sr Assoc Mech Eng - Operation	1	1	1
Assoc Elect Eng - Design	1	1	1
Assoc Mech Eng - Design	1	1	1
Total Water Technical Services	7	7	7
411300 - Operations Services			
Sr Pitometer Technician	3	3	3
Pitometer Technician	11	8	5
Principal Clerk	1	1	1
Senior Clerk	1	1	0
Office Management Assistant	1	1	1
Total Operations Services	17	14	10
Total Administration	626	596	595
00086 - Financial Services Group			
412010 - Office of Assistant Director of Finan			
Asst Director-DWSD Admin Sup	1	1	1
Office Management Assistant	1	1	1
Total Office of Assistant Director of Financial	2	2	2

CITY OF DETROIT
MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00086 - Financial Services Group			
412020 - Financial Administrative Services			
Manager I - DWSD	3	3	3
Senior Auditor	1	1	1
Principal Governmental Analyst	1	1	1
Sr Governmental Analyst	4	3	3
Total Financial Administrative Services	9	8	8
412080 - General Accounting Administrative			
Manager II - DWSD	1	1	1
Manager I - DWSD	3	3	3
Administrative Specialist I	1	1	1
Principal Accountant	4	4	4
Senior Accountant	20	19	19
Senior Bookkeeper	1	1	1
Head Clerk	1	1	1
Principal Clerk	7	7	7
Senior Voucher Audit Clerk	6	6	6
Voucher Audit Clerk	2	2	2
Senior Clerk	7	5	5
Senior Teller	7	7	7
Office Assistant II	1	1	1
Teller	3	3	3
Total General Accounting Administrative Ser	64	61	61
412220 - Purchasing			
Manager II - DWSD	1	1	1
Principal Purchases Agent	1	1	1
Purchases Agent III	15	14	12
Purchases Agent II	8	0	0
Duplicating Devices Operator	1	0	0
Office Management Assistant	2	1	1
Head Clerk	1	1	1
Principal Clerk	1	1	1
Senior Clerk	3	1	3

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MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00086 - Financial Services Group			
412220 - Purchasing			
Office Assistant III	3	3	3
Purchasing Assistant	0	2	2
Total Purchasing	36	25	25
412230 - Material Management			
Manager I - DWSD	1	1	1
Business System Support Splst	1	1	1
Office Management Assistant	1	1	1
Stores Operations Supervisor	3	3	3
Head Storekeeper	4	4	4
Senior Storekeeper	15	13	13
Storekeeper	37	27	27
Principal Governmental Analyst	1	1	1
Sr Governmental Analyst	6	6	6
Head Clerk	2	0	0
Principal Clerk	2	2	2
Senior Clerk	10	5	5
Office Assistant III	1	1	1
Delivery - Driver	6	5	5
Total Material Management	90	70	70
Total Financial Services Group	201	166	166
00087 - Asset Maintenance Group			
414010 - Office of Assistant Director Asset M			
Asst Dir of DWSD - Asset Maint	1	1	1
Manager II - DWSD	1	1	1
Manager I - DWSD	2	2	2
Head Eng - Water Sys-Operation	1	1	1
Office Management Assistant	1	1	1
Asst Director-DWSD Admin Sup	0	1	1
Total Office of Assistant Director Asset Mainte	6	7	7

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Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00087 - Asset Maintenance Group			
414130 - Mechanical Operations Administrat			
Sr Sprv of Mechanical Maint	1	1	1
Water/Wastewater Sys Maint Eng	1	1	1
Asst Sewer Safety Inspector	2	1	1
Manager II - DWSD	2	2	2
Sr Assoc Mech Eng - Operation	1	1	1
Sr Assoc Elect Eng - Waste	1	1	1
Assoc Mech Eng - Maintenance	1	1	1
Assoc Elect Eng - Design	1	1	1
Sr Governmental Analyst	1	1	1
Head Clerk	1	1	1
Principal Clerk	1	0	0
Senior Clerk	3	3	3
Office Assistant III	2	2	2
Office Assistant II	4	4	4
Clerk	3	2	2
Plant Maintenance Sr Foreman	3	3	3
Plant Maintenance Foreman	9	9	9
Plant Maintenance Sub-Foreman	8	8	8
Plant Maintenance Mechanic	5	5	5
Elect Worker Foreman	1	1	1
Elect Worker Sub-Foreman	5	5	5
Elect Worker - General	15	15	15
Elect Repair Worker - General	8	8	8
Electrical Helper	3	2	2
Sr Auto Repair Foreman	1	1	1
Auto Repair Foreman	11	10	10
General Auto Mechanic	40	40	40
Auto Mechanic	18	18	18
Auto Repair Helper	6	2	2
Park Maintenance Opr Asst	1	1	1
Park Maintenance Sprv -GD II	1	1	1

CITY OF DETROIT
MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00087 - Asset Maintenance Group			
414130 - Mechanical Operations Administrat			
Park Maintenance Foreman	2	2	2
Park Maintenance Sub-Foreman	2	2	2
Park Maintenance Worker	9	9	9
Park Maintenance Helper	7	7	7
Preventive Maintenance Coord	1	1	1
Machinist Sub-Foreman	1	1	1
General Machinist	9	8	8
General Blacksmith	1	1	1
Carpenter Foreman	1	1	1
Finish Carpenter	6	6	6
Painter Foreman	1	1	1
Painter Sub-Foreman	1	0	0
Finish Painter	13	13	13
Roofer	1	1	1
Plumber	1	1	1
Bricklayer	1	1	1
Maintenance Millwright	9	9	9
General Welder	6	6	6
Sheet Metal Worker	3	3	3
Water Systems Equip Mechanic	2	2	2
Repair Mechanic	5	5	5
Mechanical Helper	10	9	9
Supervising Bldg Attendant II	1	1	1
Supervising Bldg Attendant I	2	2	2
Building Attendant A	21	21	21
Bldg Trades Worker-Gen	3	3	3
Building Trades Helper	3	3	3
Sewer Safety Inspector	1	1	1
Sewer Safety Helper	3	2	2
Vehicle Operator III	1	0	0
Vehicle Operator I	6	6	6

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MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00087 - Asset Maintenance Group			
414130 - Mechanical Operations Administration			
Delivery - Driver	1	1	1
Total Mechanical Operations Administration	294	280	280
414200 - Water Board Building			
Bldg and Grds Maint Sprv	1	1	1
Bldg Oper Sprv - Grade II	1	1	1
Supervising Bldg Attendant II	1	1	1
Supervising Bldg Attendant I	1	1	1
Sr Pub Srve Attendant-Elev Ope	1	1	1
Building Operator I	3	3	3
Building Attendant A	24	24	24
Building Trades Helper	1	0	0
Elect Worker - General	3	3	3
Elect Repair Worker - General	4	4	4
Elevator Mechanic	4	4	4
Garage Attendant	2	2	2
Senior Clerk	1	1	1
Clerk	1	0	0
Total Water Board Building	48	46	46
414240 - Maintenance and Repair 2004			
Admin Asst GD II - DWSD	1	1	1
Super-Water Sys Maint & Const	1	1	1
Asst Super Water Sys Maint	1	1	1
Sprv of Water Sys Maint	5	2	2
Asst Sprv Water Sys Maint	8	6	6
Sr Water Sys Maint Dispatcher	1	1	1
Water Sys Maint Dispatcher	16	15	15
Drafting Technician III	2	1	1
Drafting Technician II	1	1	1
Water Systems Foreman	25	18	18
Sr Water Systems Mechanic	43	40	40
Water Systems Mechanic	95	95	95

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MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00087 - Asset Maintenance Group			
414240 - Maintenance and Repair 2004			
Water Systems Repair Worker	140	136	136
Water Systems Helper	71	31	31
Telecomm Center Sprv - DWSD	1	1	1
Construction Equip Operator	26	22	22
Administrative Specialist I	1	0	0
Miner	2	2	2
Service Information Clerk	12	12	12
Senior Stenographer	1	1	1
Principal Clerk	2	1	1
Bricklayer	4	4	4
Master Plumber	1	1	1
Plumber	4	4	4
Senior Clerk	11	7	7
Clerk	7	6	6
Vehicle Operator III	15	13	13
Vehicle Operator I	18	18	18
Sewer Inspector - Video Equip	0	2	2
Prin Construct Inspector-DWSD	0	1	1
Sr Construction Inspector	0	1	1
Construction Inspector	0	1	1
Sewer Safety Inspector	0	2	2
Asst Sewer Safety Inspector	0	2	2
Sewer Safety Helper	0	4	4
Total Maintenance and Repair 2004	515	454	454
414360 - Central Service Facility			
Bldg Opers Sprv Central Servic	1	1	1
Total Central Service Facility	1	1	1
Total Asset Maintenance Group	864	788	788

CITY OF DETROIT
MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00088 - Water Operations Group			
415010 - Office of Assistant Director of Water			
Asst Dir -DWSD Water Supply Op	1	1	1
Water Production&Operation Mgr	1	1	1
Manager I - DWSD	1	0	0
Admin Asst GD II - DWSD	2	2	2
Office Management Assistant	1	1	1
Clerk	1	0	1
Office Assistant II	1	1	0
Total Office of Assistant Director of Water Op	8	6	6
415020 - Water Works Park			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Head Water Plant Operator	5	5	5
Sr Water Plant Operator	4	4	4
Water Plant Operator	10	10	10
Water Sys Cntrl Instr Tech	1	1	1
Water Plant Attendant	4	1	1
Elect Worker - General	1	1	1
Elect Repair Worker - General	1	1	1
Senior Water Systems Chemist	5	5	5
Water Systems Chemist	5	5	5
Sr Water Sys Lab Technician	1	1	1
Plant Maintenance Mechanic	3	3	3
Repair Mechanic	3	2	2
Mechanical Helper	6	4	4
Electrical Helper	1	1	1
Principal Clerk	1	1	1
Total Water Works Park	55	49	49
415030 - Springwells Plant			
Water Treatment Plant Manager	1	1	1

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MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00088 - Water Operations Group			
415030 - Springwells Plant			
Sprv Filtration	1	1	1
Plant Maintenance Sr Foreman	1	0	0
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Plant Maintenance Mechanic	5	5	5
Repair Mechanic	3	2	2
Water Sys Cntrl Instr Tech	1	1	1
Senior Water Systems Chemist	5	5	5
Water Systems Chemist	4	4	4
Head Water Plant Operator	5	5	5
Sr Water Plant Operator	4	4	4
Water Plant Operator	10	10	10
Water Plant Attendant	5	4	4
Elect Worker Sub-Foreman	1	0	0
Elect Worker - General	1	1	1
Elect Repair Worker - General	1	1	1
Electrical Helper	1	1	1
Senior Clerk	1	1	1
Stenographer	1	0	0
Total Springwells Plant	53	48	48
415040 - Northeast Plant			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Plant Maintenance Mechanic	4	4	4
Senior Water Systems Chemist	6	6	6
Water Sys Cntrl Instr Tech	1	1	1
Head Water Plant Operator	4	4	4
Water Plant Operator	6	6	6
Elect Worker - General	1	1	1

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MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00088 - Water Operations Group			
415040 - Northeast Plant			
Elect Repair Worker - General	1	1	1
Electrical Helper	1	1	1
Repair Mechanic	1	1	1
Principal Clerk	1	1	1
Total Northeast Plant	30	30	30
415050 - Southwest Plant			
Water Treatment Plant Manager	1	1	1
Head Water Plant Operator	1	1	1
Sr Water Plant Operator	5	5	5
Water Plant Operator	5	5	5
Plant Maintenance Foreman	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Plant Maintenance Mechanic	2	2	2
Senior Water Systems Chemist	5	5	5
Sprv Filtration	1	1	1
Water Sys Cntrl Instr Tech	2	1	1
Elect Repair Worker - General	1	1	1
Electrical Helper	1	1	1
Repair Mechanic	2	2	2
Plumber	1	1	1
Mechanical Helper	3	3	3
Senior Clerk	1	1	1
Total Southwest Plant	33	32	32
415060 - Lake Huron Plant			
Water Treatment Plant Manager	1	1	1
Sprv Filtration	1	1	1
Plant Maintenance Foreman	1	1	1
Elect Worker - General	1	1	1
Plant Maintenance Sub-Foreman	1	1	1
Senior Water Systems Chemist	5	5	5
Head Water Plant Operator	4	4	4

CITY OF DETROIT
MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
00088 - Water Operations Group			
415060 - Lake Huron Plant			
Repair Mechanic	2	2	2
Water Sys Cntrl Instr Tech	1	1	1
Water Plant Operator	3	3	3
Mechanical Helper	1	1	1
Elect Repair Worker - General	1	1	1
General Auto Mechanic	1	1	1
Plant Maintenance Mechanic	3	3	3
Principal Clerk	1	1	1
Total Lake Huron Plant	27	27	27
415390 - Water Quality			
Water/Wastewater Sys Maint Eng	1	1	1
Sprv of Indust Waste Control	1	1	1
Chemical Engineer	1	1	1
Water Production&Operation Mgr	1	1	1
Principal Analytical Chemist	1	1	1
Senior Analytical Chemist	3	2	2
Analytical Chemist	1	1	1
Microbiologist	1	1	1
Sr Water Distrib Sys Investiga	2	1	1
Water Systems Investigator	5	5	5
Asst Water Sys Investigator	2	0	0
Principal Clerk	1	0	0
Total Water Quality	20	15	15
Total Water Operations Group	226	207	207
05817 - Engineering Services - Water			
413010 - Office of Assistant Director of Engiri			
Asst Dir-Water Resources-Eng	1	1	1
Manager I - DWSD	1	1	1
Office Management Assistant	1	1	1
Total Office of Assistant Director of Engineeri	3	3	3

CITY OF DETROIT
MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
05817 - Engineering Services - Water			
413020 - Engineering Administrative Support			
Gen Superintendent Eng - DWSD	1	1	1
Asst Gen Super of Eng - DWSD	1	1	1
Manager II - DWSD	2	2	1
Sr Governmental Analyst	1	1	1
Head Eng - Water Sys - Design	4	4	4
Head Civil Eng - Field	1	1	1
Engineer of Water Systems	6	6	6
Field Engineer	1	1	1
Senior Associate Architect	1	1	1
Sr Assoc Elect Eng - Design	2	2	2
Sr Assoc Civil Eng - Design	8	8	8
Sr Assoc Mech Eng - Design	4	4	4
Assoc Architectural Engineer	2	2	2
Associate Civil Eng - Design	10	8	8
Assoc Elect Eng - Design	7	5	5
Assoc Mech Eng - Design	3	3	3
Supervising Assessment Tech	1	1	1
Sr Asst Civil Eng - Design	12	12	12
Sr Asst Elect Eng - Design	3	3	3
Sr Asst Mech Eng - Design	1	1	1
Assistant Civil Engineer	4	3	3
Assistant Electrical Engineer	2	2	2
Assistant Mechanical Engineer	2	2	2
Sr Assessment Technician	2	1	1
Administrative Specialist I	1	1	1
Drafting Technician IV	1	1	1
Drafting Technician III	15	12	12
Mechanical Engineer	1	1	1
Principal Governmental Analyst	2	2	2
Principal Clerk	2	1	1
Head Constr Inspector - DWSD	1	1	1

CITY OF DETROIT
MAYOR'S 2005/2006 RECOMMENDED BUDGET

Water Department

Appropriation	REDBOOK FY 2004	DEPT REQUEST	MAYORS FY 2005
Organization	2005 FTE	FY 2005 2006 FTE	2006 FTE
Classification			
05817 - Engineering Services - Water			
413020 - Engineering Administrative Support			
Prin Construct Inspector-DWSD	7	7	7
Sr Construction Inspector	28	25	25
Construct Insp - Investigation	1	1	1
Construction Inspector	1	1	1
Supervising Survey Technician	1	1	1
Associate Surveyor	1	1	1
Survey Technician	2	2	2
Eng Support Specialist II	5	4	4
Eng Support Specialist I	2	1	1
Office Assistant III	4	4	4
Senior Clerk	5	5	5
Office Assistant II	6	5	5
Clerk	7	4	4
Student Eng - Grade II Mech	2	2	2
Stenographer	1	0	0
Manager I - DWSD	0	0	1
Total Engineering Administrative Support	177	157	157
Total Engineering Services - Water	180	160	160
Agency Total	2,097	1,917	1,916